RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: _10/529,097_
Source: _PCT_
Date Processed by STIC: _3/9/06_

ENTERED

PCT

RAW SEQUENCE LISTING   DATE: 03/09/2006
PATENT APPLICATION: **US/10/529,097**   TIME: 12:33:00

Input Set : **A:\Arenas 0380-P02991US1 seq listing.txt**
Output Set: **N:\CRF4\03092006\J529097.raw**

```
 4 <110> APPLICANT: Arenas, Ernesto
 5        Wagner, Joseph
 6        Branco, Goncalo Castelo
 7        Sousa, Kyle
 9 <120> TITLE OF INVENTION: Methods for Promoting Dopaminergic
10        Neuronal Development by Using NG4A-Subfamily and WNT-Ligands
13 <130> FILE REFERENCE: 0380-P02991US1
15 <140> CURRENT APPLICATION NUMBER: US 10/529,097
16 <141> CURRENT FILING DATE: 2005-03-24
18 <150> PRIOR APPLICATION NUMBER: PCT/IB2003/004598
19 <151> PRIOR FILING DATE: 2003-09-24
21 <150> PRIOR APPLICATION NUMBER: GB 0222162.0
22 <151> PRIOR FILING DATE: 2002-06-24
24 <150> PRIOR APPLICATION NUMBER: US 60/413,046
25 <151> PRIOR FILING DATE: 2002-09-24
27 <150> PRIOR APPLICATION NUMBER: US 60/494,595
28 <151> PRIOR FILING DATE: 2003-08-12
30 <160> NUMBER OF SEQ ID NOS: 60
32 <170> SOFTWARE: FastSEQ for Windows Version 3.0
34 <210> SEQ ID NO: 1
35 <211> LENGTH: 20
36 <212> TYPE: DNA
37 <213> ORGANISM: Artificial Sequence
39 <220> FEATURE:
40 <223> OTHER INFORMATION: primer
42 <400> SEQUENCE: 1
43  cttcggcaag atcgtcaacc                                          20
45 <210> SEQ ID NO: 2
46 <211> LENGTH: 21
47 <212> TYPE: DNA
48 <213> ORGANISM: Artificial Sequence
50 <220> FEATURE:
51 <223> OTHER INFORMATION: primer
53 <400> SEQUENCE: 2
54  gcgaagatga acgctgtttc t                                        21
56 <210> SEQ ID NO: 3
57 <211> LENGTH: 22
58 <212> TYPE: DNA
59 <213> ORGANISM: Artificial Sequence
61 <220> FEATURE:
62 <223> OTHER INFORMATION: primer
64 <400> SEQUENCE: 3
65  gaacgcgacc tggtctacta cg                                       22
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          ·   .   ,   Input Set : **A:\Arenas 0380-P02991US1 seq listing.txt**
                        Output Set: **N:\CRF4\03092006\J529097.raw**

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67 <210> SEQ ID NO: 4
68 <211> LENGTH: 22
69 <212> TYPE: DNA
70 <213> ORGANISM: Artificial Sequence
72 <220> FEATURE:
73 <223> OTHER INFORMATION: primer
75 <400> SEQUENCE: 4
76  gttaggttcg cagaagttgg gt                                        22
78 <210> SEQ ID NO: 5
79 <211> LENGTH: 21
80 <212> TYPE: DNA
81 <213> ORGANISM: Artificial Sequence
83 <220> FEATURE:
84 <223> OTHER INFORMATION: primer
86 <400> SEQUENCE: 5
87  aataaccctg ttcagatgtc a                                         21
89 <210> SEQ ID NO: 6
90 <211> LENGTH: 20
91 <212> TYPE: DNA
92 <213> ORGANISM: Artificial Sequence
94 <220> FEATURE:
95 <223> OTHER INFORMATION: primer
97 <400> SEQUENCE: 6
98  tactgcatgt ggtcctgata                                          20
100 <210> SEQ ID NO: 7
101 <211> LENGTH: 23
102 <212> TYPE: DNA
103 <213> ORGANISM: Artificial Sequence
105 <220> FEATURE:
106 <223> OTHER INFORMATION: primer
108 <400> SEQUENCE: 7
109  agtactttgt gcgcttcgag gtg                                      23
111 <210> SEQ ID NO: 8
112 <211> LENGTH: 21
113 <212> TYPE: DNA
114 <213> ORGANISM: Artificial Sequence
116 <220> FEATURE:
117 <223> OTHER INFORMATION: primer
119 <400> SEQUENCE: 8
120  cttgggaacc agggaacctt g                                        21
122 <210> SEQ ID NO: 9
123 <211> LENGTH: 22
124 <212> TYPE: DNA
125 <213> ORGANISM: Artificial Sequence
127 <220> FEATURE:
128 <223> OTHER INFORMATION: primer
130 <400> SEQUENCE: 9
131  ttggaagtga cctcgctcct ag                                       22
133 <210> SEQ ID NO: 10
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PATENT APPLICATION: US/10/529,097   TIME: 12:33:00

            Input Set : A:\Arenas 0380-P02991US1 seq listing.txt
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134 <211> LENGTH: 24
135 <212> TYPE: DNA
136 <213> ORGANISM: Artificial Sequence
138 <220> FEATURE:
139 <223> OTHER INFORMATION: primer
141 <400> SEQUENCE: 10
142  ggttgggcat gtaagtgtag ttgt                                24
144 <210> SEQ ID NO: 11
145 <211> LENGTH: 22
146 <212> TYPE: DNA
147 <213> ORGANISM: Artificial Sequence
149 <220> FEATURE:
150 <223> OTHER INFORMATION: primer
152 <400> SEQUENCE: 11
153  agggtggact cctacagatt gg                                  22
155 <210> SEQ ID NO: 12
156 <211> LENGTH: 21
157 <212> TYPE: DNA
158 <213> ORGANISM: Artificial Sequence
160 <220> FEATURE:
161 <223> OTHER INFORMATION: primer
163 <400> SEQUENCE: 12
164  ccgatcccag atattgaagc c                                   21
166 <210> SEQ ID NO: 13
167 <211> LENGTH: 23
168 <212> TYPE: DNA
169 <213> ORGANISM: Artificial Sequence
171 <220> FEATURE:
172 <223> OTHER INFORMATION: primer
174 <400> SEQUENCE: 13
175  accctgacac caatctcctc aac                                 23
177 <210> SEQ ID NO: 14
178 <211> LENGTH: 22
179 <212> TYPE: DNA
180 <213> ORGANISM: Artificial Sequence
182 <220> FEATURE:
183 <223> OTHER INFORMATION: primer
185 <400> SEQUENCE: 14
186  gtaagatacg gagggcgcac ag                                  22
188 <210> SEQ ID NO: 15
189 <211> LENGTH: 25
190 <212> TYPE: DNA
191 <213> ORGANISM: Artificial Sequence
193 <220> FEATURE:
194 <223> OTHER INFORMATION: primer
196 <400> SEQUENCE: 15
197  actgatgtgg attgtctcaa agcct                               25
199 <210> SEQ ID NO: 16
200 <211> LENGTH: 22
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202 <213> ORGANISM: Artificial Sequence
204 <220> FEATURE:
205 <223> OTHER INFORMATION: primer
207 <400> SEQUENCE: 16
208  cgttatgctg ctcttgacgg aa                          22
210 <210> SEQ ID NO: 17
211 <211> LENGTH: 23
212 <212> TYPE: DNA
213 <213> ORGANISM: Artificial Sequence
215 <220> FEATURE:
216 <223> OTHER INFORMATION: primer
218 <400> SEQUENCE: 17
219  atgcacaatt acaggctggt tct                         23
221 <210> SEQ ID NO: 18
222 <211> LENGTH: 25
223 <212> TYPE: DNA
224 <213> ORGANISM: Artificial Sequence
226 <220> FEATURE:
227 <223> OTHER INFORMATION: primer
229 <400> SEQUENCE: 18
230  gtcattgacc aggactacta gctgc                       25
232 <210> SEQ ID NO: 19
233 <211> LENGTH: 23
234 <212> TYPE: DNA
235 <213> ORGANISM: Artificial Sequence
237 <220> FEATURE:
238 <223> OTHER INFORMATION: primer
240 <400> SEQUENCE: 19
241  cacttcgtgt tcaggacttc agc                         23
243 <210> SEQ ID NO: 20
244 <211> LENGTH: 23
245 <212> TYPE: DNA
246 <213> ORGANISM: Artificial Sequence
248 <220> FEATURE:
249 <223> OTHER INFORMATION: primer
251 <400> SEQUENCE: 20
252  ggacgaaaat gacaatgagg atg                         23
254 <210> SEQ ID NO: 21
255 <211> LENGTH: 23
256 <212> TYPE: DNA
257 <213> ORGANISM: Artificial Sequence
259 <220> FEATURE:
260 <223> OTHER INFORMATION: primer
262 <400> SEQUENCE: 21
263  gtctgagaat gagatcccca cac                         23
265 <210> SEQ ID NO: 22
266 <211> LENGTH: 24
267 <212> TYPE: DNA
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PATENT APPLICATION: **US/10/529,097**   TIME: 12:33:00

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Output Set: **N:\CRF4\03092006\J529097.raw**

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268 <213> ORGANISM: Artificial Sequence
270 <220> FEATURE:
271 <223> OTHER INFORMATION: primer
273 <400> SEQUENCE: 22
274  acacattgga tttcagcttc tgag                              24
276 <210> SEQ ID NO: 23
277 <211> LENGTH: 24
278 <212> TYPE: DNA
279 <213> ORGANISM: Artificial Sequence
281 <220> FEATURE:
282 <223> OTHER INFORMATION: primer
284 <400> SEQUENCE: 23
285  ggctatgaac tacctggatc gcta                              24
287 <210> SEQ ID NO: 24
288 <211> LENGTH: 23
289 <212> TYPE: DNA
290 <213> ORGANISM: Artificial Sequence
292 <220> FEATURE:
293 <223> OTHER INFORMATION: primer
295 <400> SEQUENCE: 24
296  acggtaccta gaagctgcaa ttg                               23
298 <210> SEQ ID NO: 25
299 <211> LENGTH: 22
300 <212> TYPE: DNA
301 <213> ORGANISM: Artificial Sequence
303 <220> FEATURE:
304 <223> OTHER INFORMATION: primer
306 <400> SEQUENCE: 25
307  agcaaagtgt gccgttgtct ct                                22
309 <210> SEQ ID NO: 26
310 <211> LENGTH: 23
311 <212> TYPE: DNA
312 <213> ORGANISM: Artificial Sequence
314 <220> FEATURE:
315 <223> OTHER INFORMATION: primer
317 <400> SEQUENCE: 26
318  tctccgtgac gaagtcaaag ttc                               23
320 <210> SEQ ID NO: 27
321 <211> LENGTH: 24
322 <212> TYPE: DNA
323 <213> ORGANISM: Artificial Sequence
325 <220> FEATURE:
326 <223> OTHER INFORMATION: primer
328 <400> SEQUENCE: 27
329  ttaattgggt ctcaggcaaa ctct                              24
331 <210> SEQ ID NO: 28
332 <211> LENGTH: 23
333 <212> TYPE: DNA
334 <213> ORGANISM: Artificial Sequence
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VERIFICATION SUMMARY   DATE: 03/09/2006
PATENT APPLICATION: US/10/529,097   TIME: 12:33:01

Input Set : A:\Arenas 0380-P02991US1 seq listing.txt
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